

Fig. 1

24

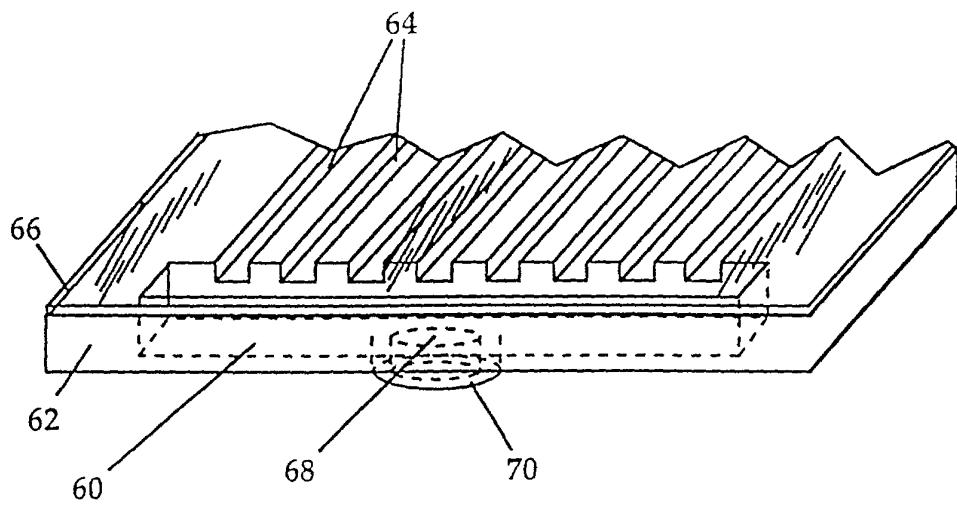


Fig. 2

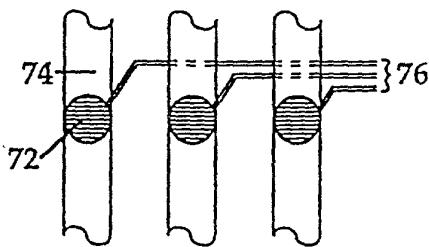


Fig. 3A

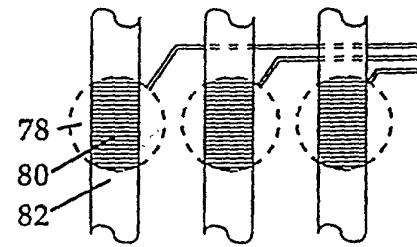


Fig. 3B

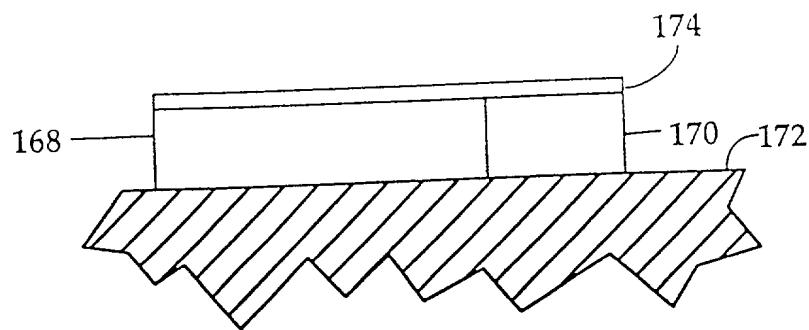


Fig. 4A

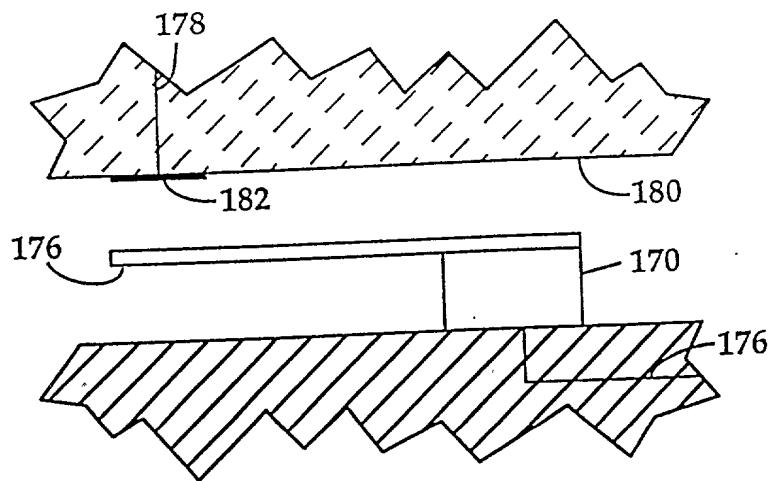


Fig. 4B

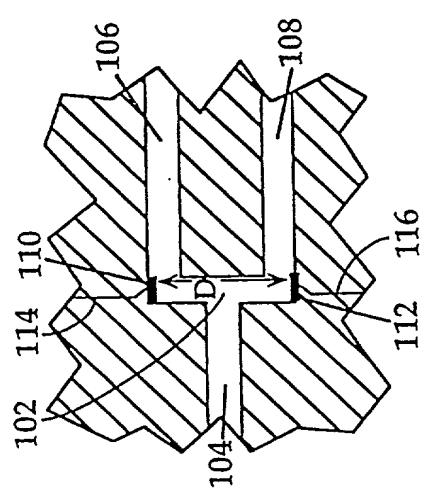


Fig. 5A

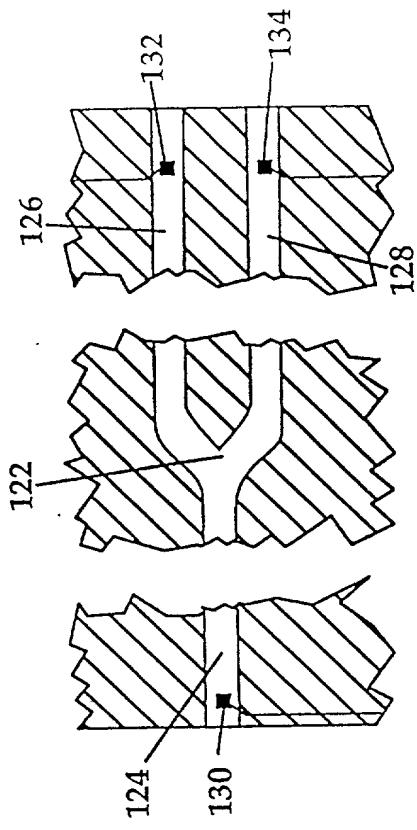


Fig. 5B

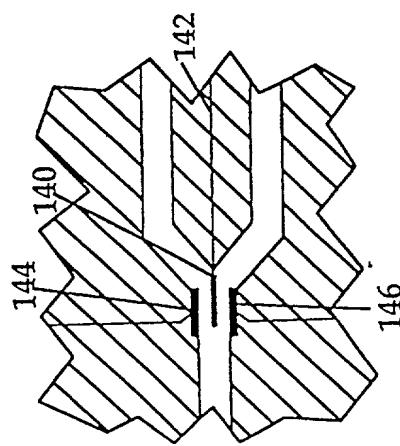


Fig. 5C

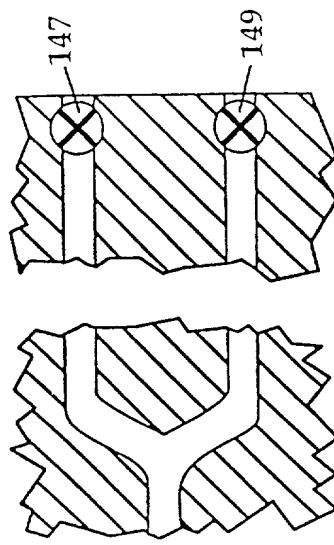


Fig. 5D

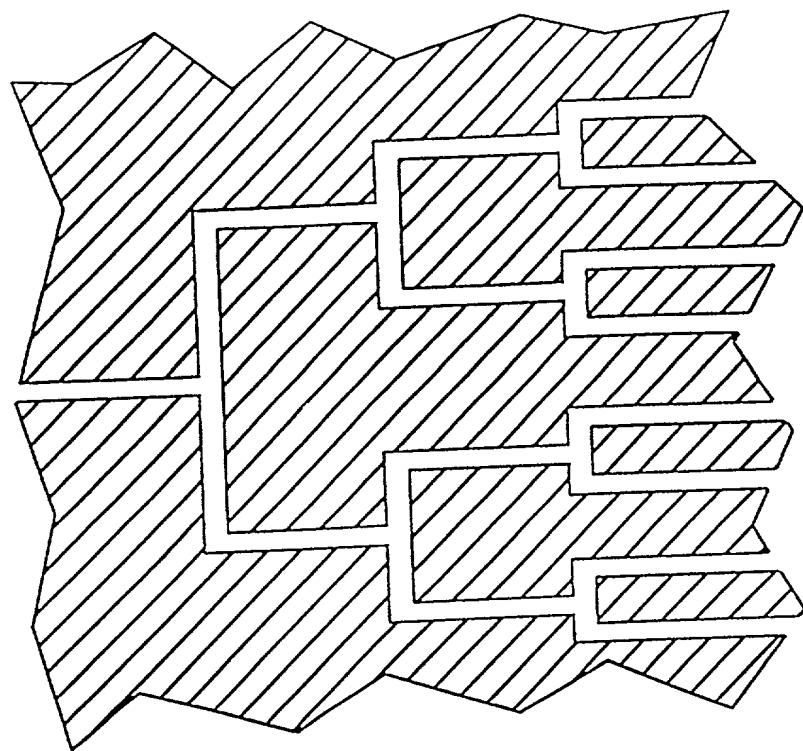


Fig. 6

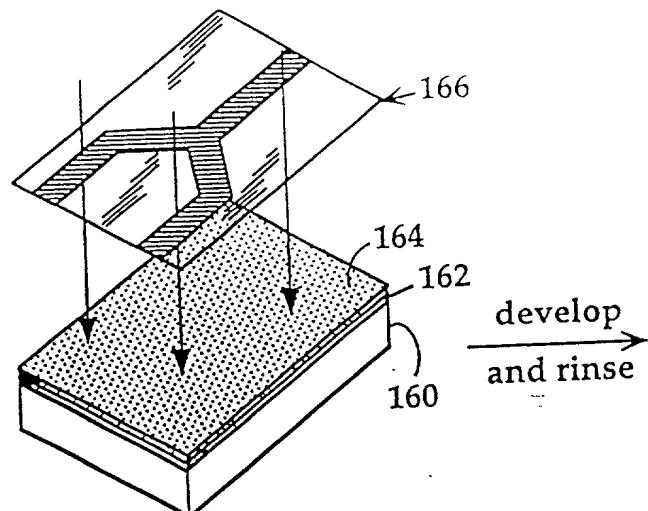


Fig. 7A

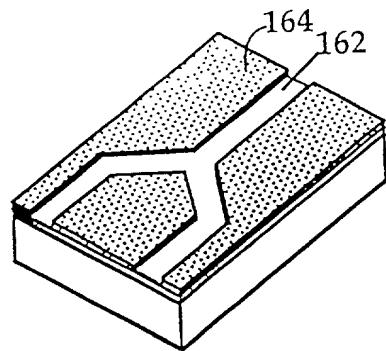


Fig. 7B

1. etch SiO_2
2. remove resist

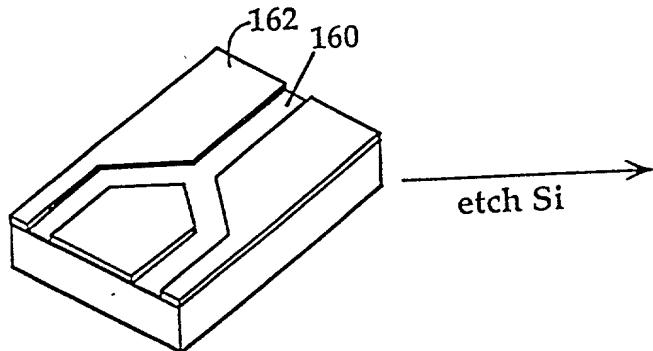


Fig. 7C

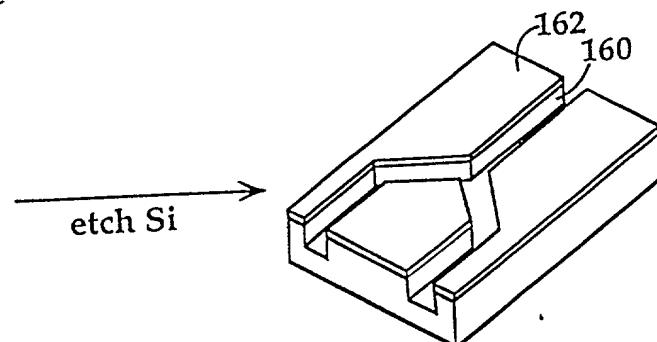


Fig. 7D

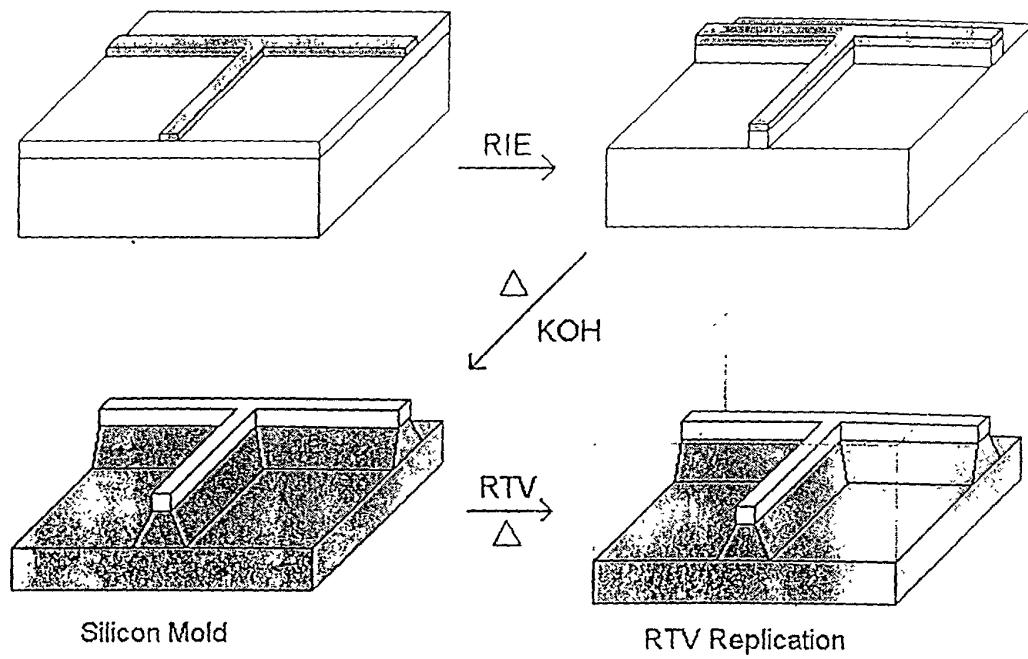
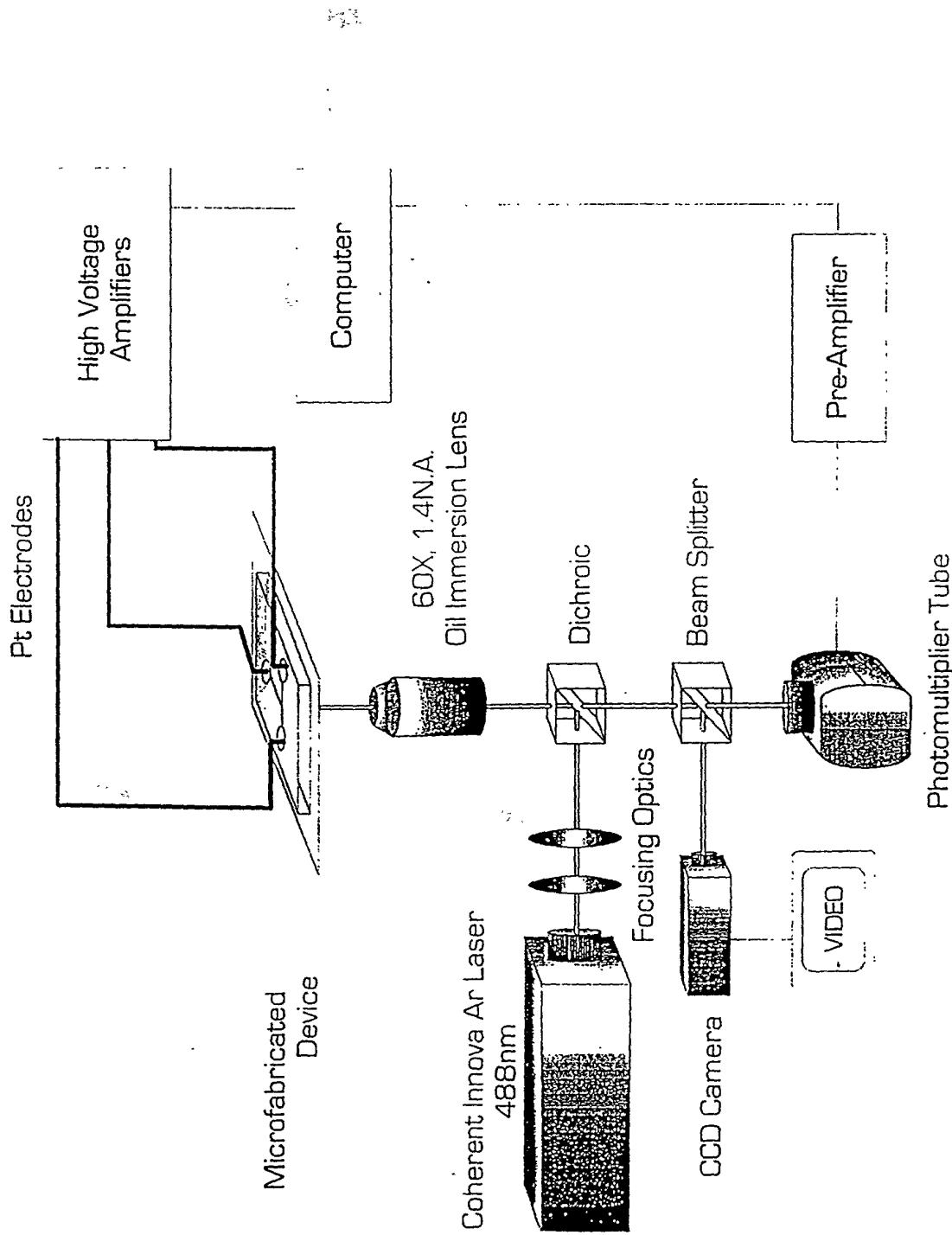


Fig. 8



Photomultiplier Tube

Fig 9



Fig 10

Fig. 11

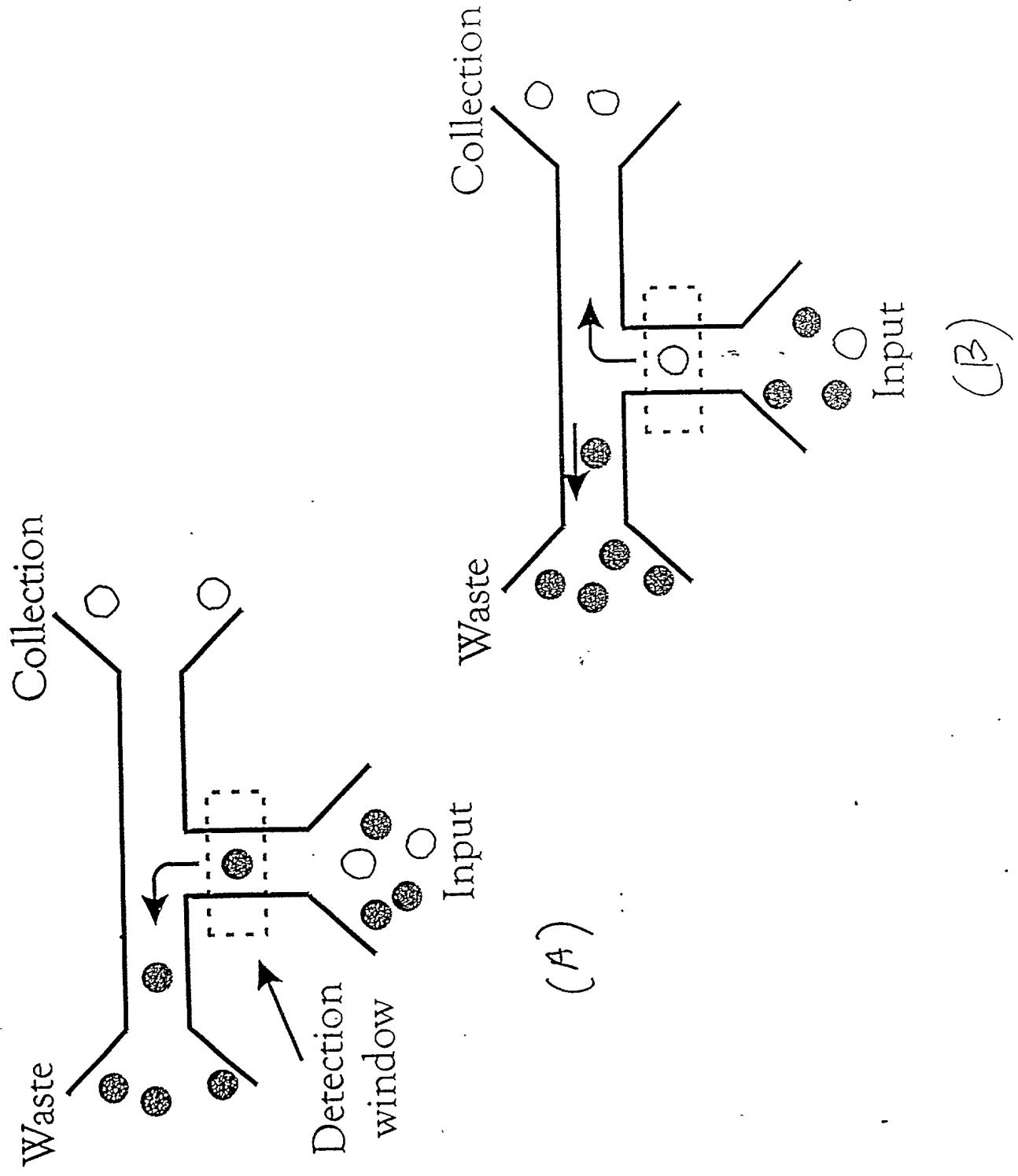
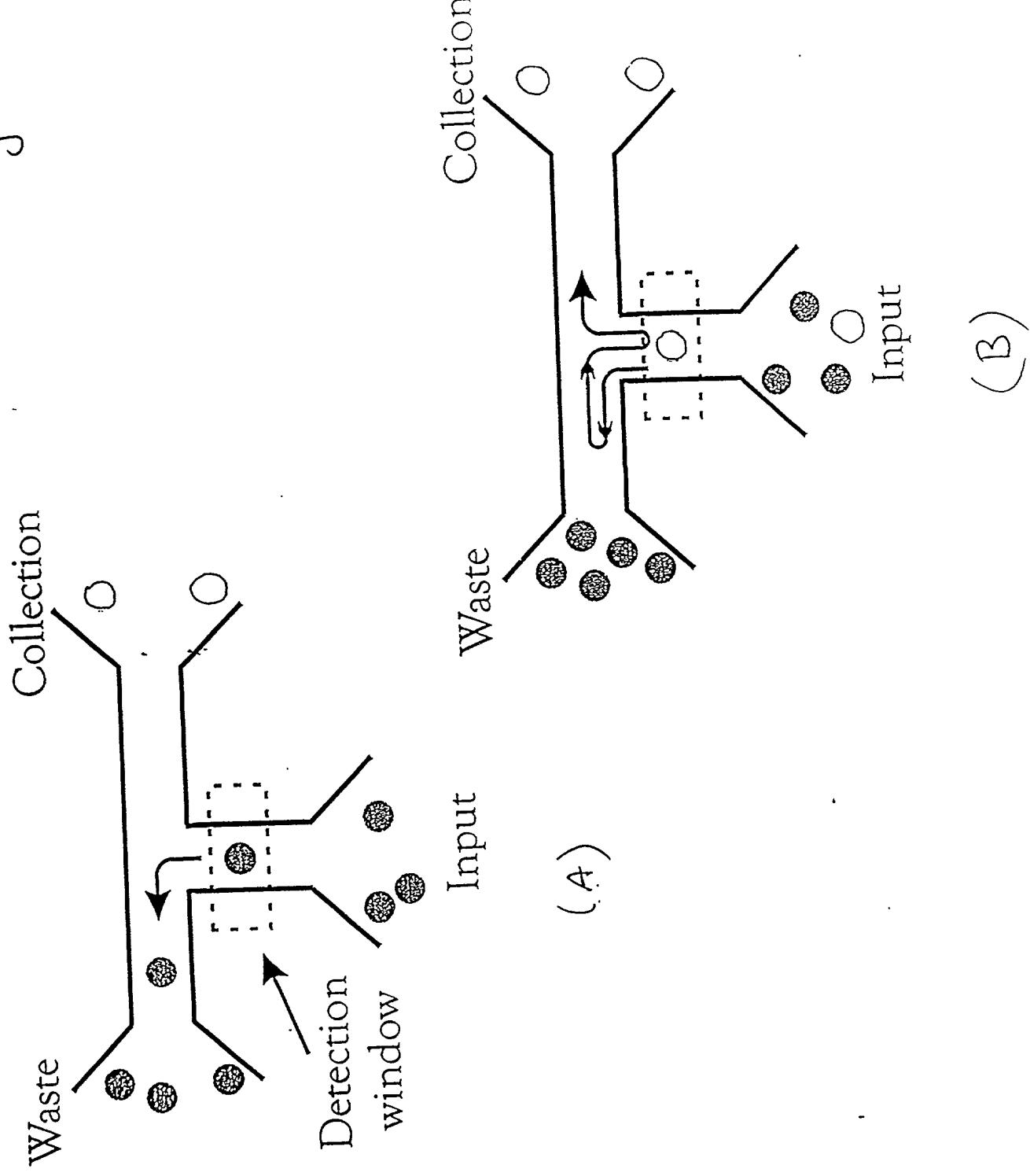


Fig 12



T7 DNA/ T7 Primer

3.45mW laser power/ 2.450kV APD bias

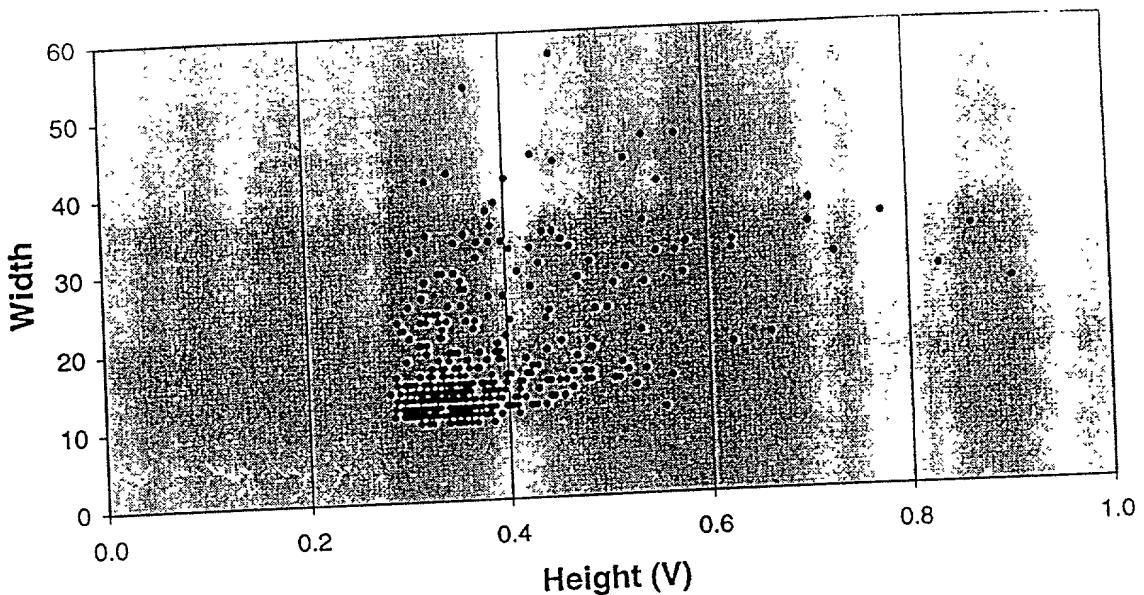


FIG. 13

λ DNA/ T7 Primer

3.35mW laser power/ 2.450kV APD bias

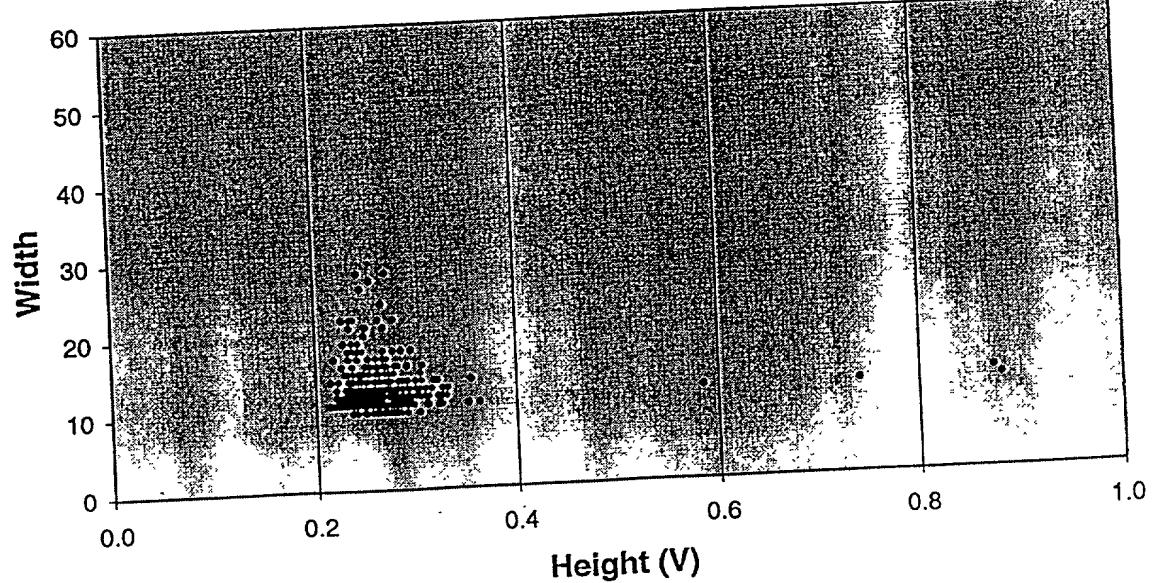


FIG. 14

DNA/Primer Diagnosis

Molecular Diagnostics

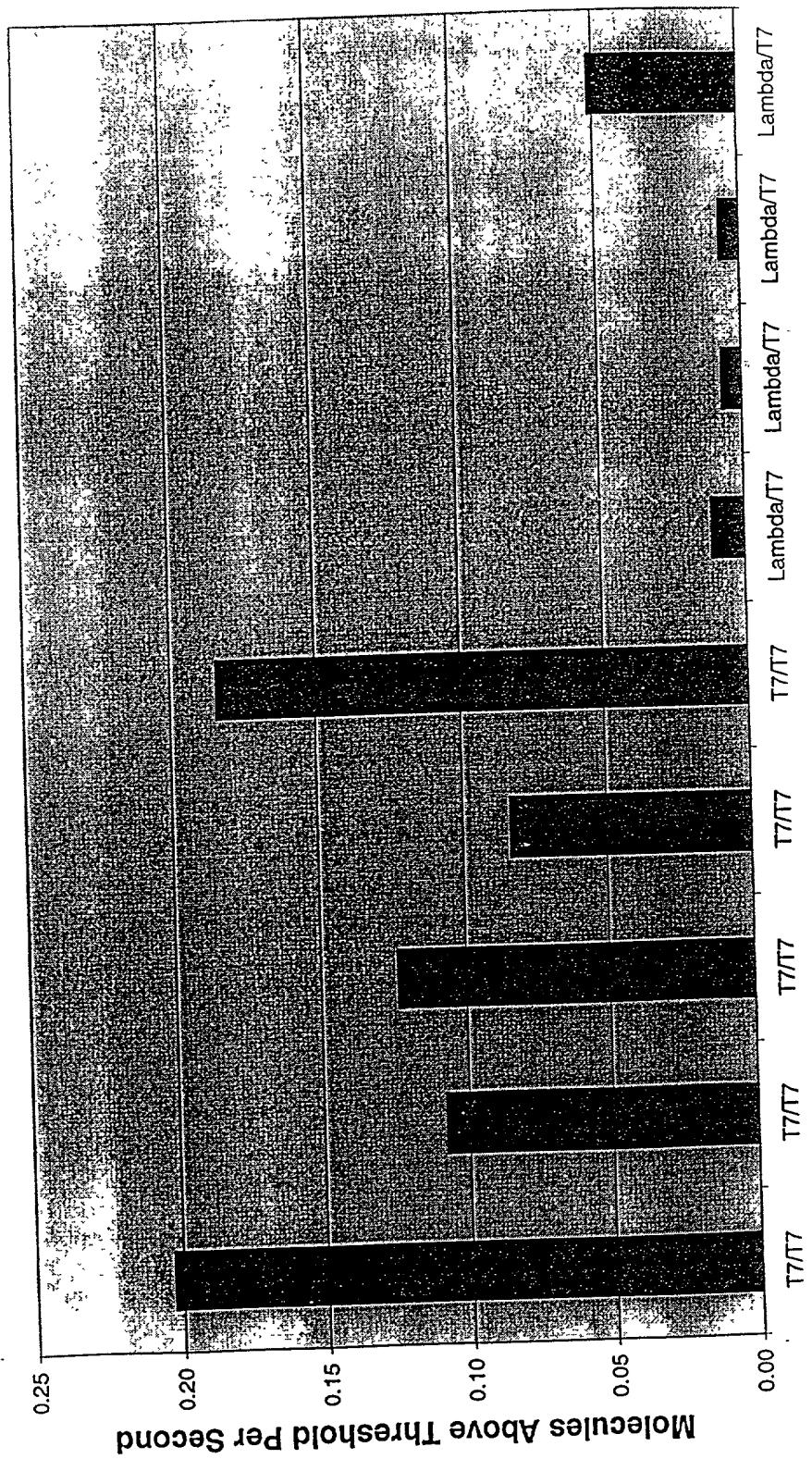


Fig. 15

CALTECH